Translation



1761

# **PCT**

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

| Applicant's or agent's file reference   | T   |   |
|---|---|---|
| Applicant's or agent's file reference DF4316/PCT                                  | FOR FURTHER ACTION  | SeeNotificationofTransmittalofInternational Preliminary Examination Report (Form PCT/IPEA/416)                                |
| International application No.   | International filing date (day/m  | nonth/year) Priority date (day/month/year)  |
| PCT/JP98/05236  | 20 November 1998 (20  | 0.11.98) 22 December 1997 (22.12.97)  |
| International Patent Classification (IPC) or n<br>A23L 1/236                      | ational classification and IPC  |   |
| Applicant   | AJINOMOTO CO.,  | INC.  |
|   | <u> </u>  |   |
| This international preliminary examinand is transmitted to the applicant actions. | nation report has been prepared cording to Article 36.  | by this International Preliminary Examining Authority   |
| 2. This REPORT consists of a total of   | 3 sheets, including   | g this cover sheet.   |
| amended and are the basis for   | ed by ANNEXES, i.e., sheets of<br>this report and/or sheets contain<br>Administrative Instructions unde | the description, claims and/or drawings which have been sing rectifications made before this Authority (see Rule or the PCT). |
| These annexes consist of a tot  | al of sheets.   |   |
| 3. This report contains indications relat   | ing to the following items:   |   |
| Basis of the report   |   |   |
| II Priority   |   | T(  |
| III Non-establishment o   | f opinion with regard to novelty,   | inventive step and industrial applicability   |
| IV Lack of unity of inve  |   | EC.   |
| V Reasoned statement to citations and explana                                     | under Article 35(2) with regard to tions supporting such statement                                      | o novelty, inventive step or industrial applicability:  |
| VI Certain documents ci   | ted   | ZEDI<br>ZEDI  |
| VII Certain defects in the  | international application   | N   |
| VIII Certain observations   | on the international application  |   |
|   |   |   |
| Date of submission of the demand  | Date of c   | completion of this report   |
| 16 June 1999 (16.06.9   |   | 10 March 2000 (10.03.2000)  |
| Name and mailing address of the IPEA/JP   | Authoriz  | ed officer  |
| Facsimile No.   | Telephor  | ne No.  |

International application No.

PCT/JP98/05236

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

| 1. | Basis         | of the re                                       | eport  |
|----|---------------|---|--|
| 1. | With          | regard to                                       | the elements of the international application:*  |
|    | $\boxtimes$   | the inte  | emational application as originally filed  |
|    |               | the des   | cription:  |
|    | ш             | pages   | , as originally filed  |
|    |               | pages   | , filed with the demand  |
|    |               | pages   | , filed with the letter of   |
|    |               | the clai  |  |
|    | ш             |   | as originally filed  |
|    |               | pages<br>pages                                  | , as amended (together with any statement under Article 19   |
|    |               | pages   | filed with the demand  |
|    |               | pages   | , filed with the letter of   |
|    |               |   |  |
|    |               |   | wings: , as originally filed   |
|    |               | pages   |  |
|    |               | pages<br>pages                                  | , filed with the letter of   |
|    |               | pages   | , fried with the letter of   |
|    | <u></u> □ ¹   | he seque  | ence listing part of the description:  |
|    |               | pages   | , as originally filed  |
| l  |               | pages   | , filed with the demand  |
|    |               | pages   | , filed with the letter of   |
| 2. | tha i         | nternation<br>e element<br>the land<br>the land | to the language, all the elements marked above were available or furnished to this Authority in the language in which nal application was filed, unless otherwise indicated under this item.  In this were available or furnished to this Authority in the following language which is:  In the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).  In the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).  In the language in which is:  In the language in the language in which is:  In the language in the langua |
| 3. | With<br>preli | regard<br>minary e                              | to any <b>nucleotide and/or amino acid sequence</b> disclosed in the international application, the international examination was carried out on the basis of the sequence listing:  |
|    |               | contai  | ned in the international application in written form.  |
|    |               | filed to  | ogether with the international application in computer readable form.  |
|    |               | furnisl   | ned subsequently to this Authority in written form.  |
|    |               | furnisl   | ned subsequently to this Authority in computer readable form.  |
|    |               | intern  | tatement that the subsequently furnished written sequence listing does not go beyond the disclosure in the ational application as filed has been furnished.  |
|    |               |   | tatement that the information recorded in computer readable form is identical to the written sequence listing has furnished.   |
| 4. |               | The ar  | mendments have resulted in the cancellation of:  |
|    |               | П   | the description, pages   |
|    |               | Ħ   | the claims, Nos.   |
|    |               | Ħ   | the drawings, sheets/fig   |
| 5. |               |   | sport has been established as if (some of) the amendments had not been made, since they have been considered to go I the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**   |
| *  | in th         | acement<br>is repor<br>70.17).                  | sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16   |
| ** |               |   | nent sheet containing such amendments must be referred to under item 1 and annexed to this report.   |

International application No.

PCT/JP98/05236

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

PC1/JP98/0523

| ement                         |        |     |    |
|-------------------------------|--------|-----|----|
| Novelty (N)                   | Claims | 1-3 | YE |
|                               | Claims |     | NO |
| Inventive step (IS)           | Claims | 1-3 | YE |
|                               | Claims |     | NO |
| Industrial applicability (IA) | Claims | 1-3 | YE |
|                               | Claims |     | NO |

2. Citations and explanations

The inventions described in claims 1 through 3 are not described in the documents cited in the ISR nor in the documents considered relevant to the inventions; furthermore, a party skilled in the art could not easily conceive of them from a combination of the descriptions in these documents.

# PATENT COOPERATION TREAT

# From the INTERNATIONAL BUREAU **PCT NOTIFICATION OF ELECTION** United States Patent and Trademark Office (PCT Rule 61.2) (Box PCT) Crystal Plaza 2 Washington, DC 20231 ÉTATS-UNIS D'AMÉRIQUE Date of mailing (day/month/year) in its capacity as elected Office 15 July 1999 (15.07.99) International application No. Applicant's or agent's file reference PCT/JP98/05236 DF4316/PCT International filing date (day/month/year) Priority date (day/month/year) 20 November 1998 (20.11.98) 22 December 1997 (22.12.97) **Applicant** ISHIDA, Hirotoshi et al The designated Office is hereby notified of its election made: X in the demand filed with the International Preliminary Examining Authority on: 16 June 1999 (16.06.99) in a notice effecting later election filed with the International Bureau on: The election made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland **Authorized officer** 

Sean Taylor

Telephone No.: (41-22) 338.83.38

Facsimile No.: (41-22) 740.14.35

# **PCT**

#### NOTIFICATION CONCERNING SUBMISSION OR TRANSMITTAL OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

From the INTERNATIONAL BUREAU

To:

SHIMOKOSHI, Masao Taka-ai Building 9th floor 15-2, Nihombashi 3-chome Chuo-ku Tokyo 103-0027 JAPON



| Date of mailing (day/month/year) 07 December 1998 (07.12.98)      | JAPON  |
|---|--|
| Applicant's or agent's file reference DF4316/PCT                  | IMPORTANT NOTIFICATION   |
| International application No. PCT/JP98/05236                      | International filing date (day/month/year) 20 November 1998 (20.11.98) |
| International publication date (day/month/year) Not yet published | Priority date (day/month/year)  22 December 1997 (22.12.97)            |
| Applicant  AJINOMOTO CO. INC. et al.                              |  |

- The applicant is hereby notified of the date of receipt (except where the letters "NR" appear in the right-hand column) by the
  International Bureau of the priority document(s) relating to the earlier application(s) indicated below. Unless otherwise
  indicated by an asterisk appearing next to a date of receipt, or by the letters "NR", in the right-hand column, the priority
  document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
- 2. This updates and replaces any previously issued notification concerning submission or transmittal of priority documents.
- 3. An asterisk(\*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b). In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
- 4. The letters "NR" appearing in the right-hand column denote a priority document which was not received by the International Bureau or which the applicant did not request the receiving Office to prepare and transmit to the International Bureau, as provided by Rule 17.1(a) or (b), respectively. In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

Priority date
Priority application No.
Country or regional Office of PCT receiving Office
or PCT receiving Office
22 Dece 1997 (22.12.97)
9/352728
UDate of receipt of priority document
Up 04 Dece 1998 (04.12.98)

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

M. Sakai

Telephone No. (41-22) 338.83.38

akai

Facsimile No. (41-22) 740.14.35

# PCT

# NOTICE INFORMING THE APPLICANT OF THE **COMMUNICATION OF THE INTERNATIONAL** APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

#### From the INTERNATIONAL BUREAU

SHIMOKOSHI, Masao Taka-ai Building 9th floor 15-2, Nihombashi 3-chome Chuo-ku Tokyo 103-0027 **JAPON** 



Date of mailing (day/month/year)

01 July 1999 (01.07.99)

Applicant's or agent's file reference

**DF4316/PCT** 

International application No.

PCT/JP98/05236

IMPORTANT NOTICE

International filing date (day/month/year)

Priority date (day/month/year) 20 November 1998 (20.11.98)

22 December 1997 (22.12.97)

**Applicant** 

AJINOMOTO CO., INC. et al

1. Notice is hereby given that the International Bureau has communicated, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this Notice: CN,EP,KR,US

In accordance with Rule 47.1(c), third sentence; those Offices will accept the present Notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copyof the international application is required to be furnished by the applicant to the designated Office(s).

2. The following designated Offices have waived the requirement for such a communication at this time:

BR.CA.CZ.HU.MX.RU.SK

The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).

3. Enclosed with this Notice is a copy of the international application as published by the International Bureau on 01 July 1999 (01.07.99) under No. WO 99/31999

# REMINDER REGARDING CHAPTER II (Article 31(2)(a) and Rule 54.2)

If the applicant wishes to postpone entry into the national phase until 30 months (or later in some Offices) from the priority date, a demand for international preliminary examination must be filed with the competent International Preliminary Examining Authority before the expiration of 19 months from the priority date.

It is the applicant's sole responsibility to monitor the 19-month time limit.

Note that only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination.

## REMINDER REGARDING ENTRY INTO THE NATIONAL PHASE (Article 22 or 39(1))

If the applicant wishes to proceed with the international application in the national phase, he must, within 20 months or 30 months, or later in some Offices, perform the acts referred to therein before each designated or elected Office.

For further important information on the time limits and acts to be performed for entering the national phase, see the Annex to Form PCT/IB/301 (Notification of Receipt of Record Copy) and Volume II of the PCT Applicant's Guide.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

J. Zahra

Facsimile No. (41-22) 740.14.35

Telephone No. (41-22) 338.83.38

# INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP98/05236

| F  |  |   |  |
|--|--|---|--|
| A. CLAS  | SSIFICATION OF SUBJECT MATTER .C1 <sup>6</sup> A23L1/236   |   |  |
| According  | to International Patent Classification (IPC) or to both  | national classification and IPC   |  |
| B. FIELD   | OS SEARCHED  |   |  |
| Minimum o<br>Int   | documentation searched (classification system followe .Cl <sup>6</sup> A23L1/22-1/237, A23L1/24  | ed by classification symbols)   |  |
| Documenta  | ation searched other than minimum documentation to t   | he extent that such documents are include   | d in the fields searched   |
| Electronic of JICS   | data base consulted during the international search (na<br>ST File (JOIS), WPI (DIALOG)  | ame of data base and, where practicable, so   | earch terms used)  |
| C. DOCU  | MENTS CONSIDERED TO BE RELEVANT  |   |  |
| Category*  | Citation of document, with indication, where a   |   | Relevant to claim No.  |
| A  | JP, 1-211468, A (Rainaa Bir<br>24 August, 1989 (24. 08. 89)<br>& FI, 94210, B & ZA, 88090  | )   | 1-3  |
| <b>A</b>   | JP, 4-346769, A (Ajinomoto 2 December, 1992 (02. 12. 92 & EP, 514937, A1 & US, 547   | 2)  | 1-3  |
| ☐ Furthe   | r documents are listed in the continuation of Box C.   | Sce patent family annex.  |  |
| * Special docume consider earlier de docume cited to special redocume means "P" docume the prior | categories of cited documents:  nt defining the general state of the art which is not red to be of particular relevance document but published on or after the international filing date nt which may throw doubts on priority claim(s) or which is establish the publication date of another citation or other reason (as specified)  nt referring to an oral disclosure, use, exhibition or other nt published prior to the international filing date but later than rity date claimed | "T" later document published after the interm date and not in conflict with the application the principle or theory underlying the involvement of particular relevance; the classification considered novel or cannot be considered when the document is taken alone document of particular relevance; the classification considered to involve an inventive step we combined with one or more other such discing obvious to a person skilled in the addocument member of the same patent far | ion but cited to understand rention imed invention cannot be to involve an inventive step imed invention cannot be rhen the document is occuments, such combination of interest in the document in the document is occurrents. |
| 16 Fe  | ebruary, 1999 (16. 02. 99)  ailing address of the ISA/   | Date of mailing of the international sear 23 February, 1999 (   | ch report<br>23. 02. 99)   |
|  | nese Patent Office   | Authorized officer  |  |
| Facsimile No   | ).   | Telephone No.   |  |

WIV

#### 特許協力条約

PCT

#### 国際予備審査報告

(法第12条、法施行規則第56条) [PCT36条及びPCT規則70]

| REC'D | 24 | MARS | 2000 |
|-------|----|------|------|
| WIDO  |    |      | PC   |

| 出願人又はの書類記号           |   | 今後の手続きについては、国際予備審査報告の送付通知(様式PCT/         1 4 3 1 6 / PCT       I PEA / 4 1 6 ) を参照すること。 |          |                 |             |  |
|----------------------|---|---|----------|-----------------|-------------|--|
| 国際出願番PCT/J           | 号<br>P 9 8 / 0 5 2 3 6                  | 国際出願日 (日.月.年) 20.1  | 1.98     | 優先日<br>(日.月.年)  | 22.12.97    |  |
| 国際特許分                | *類(IPC)<br>Int.Cl <sup>7</sup> A23L 1/2 | 236   |          |                 |             |  |
| 出願人(氏                | :名又は名称)<br>味の素株式会社                      |   |          |                 |             |  |
|                      |   |   |          | , , ,           |             |  |
| 2. E o               | 国際予備審査報告は、この表紙                          | 紙を含めて全部で  | <u>3</u> | <b>ジからなる。</b>   |             |  |
|                      | この国際予備審査報告には、<br>査機関に対してした訂正を含む         |   |          |                 | ダ/又はこの国際予備審 |  |
| Ξ σ.                 | (PCT規則70.16及びPCT<br>附属書類は、全部で           |   |          |                 |             |  |
| 3. <i>c</i> $\sigma$ | 国際予備審査報告は、次の内容                          | 容を含む。   |          |                 |             |  |
| I                    | × 国際予備審査報告の基礎                           | <u>\$</u>   |          |                 |             |  |
| П                    | 優先権                                     |   |          |                 |             |  |
| Ш                    | 新規性、進歩性又は産業                             | 8上の利用可能性についての   | 国際予備審査報  | 告の不作成           |             |  |
| IV                   | 発明の単一性の欠如                               |   |          |                 |             |  |
| v                    | <ul><li>PCT35条(2)に規定の文献及び説明</li></ul>   | する新規性、進歩性又は産業   | 業上の利用可能性 | <b>生についての見解</b> | 4、それを裏付けるため |  |
| VI                   | ある種の引用文献                                |   |          |                 |             |  |
| VII                  | 国際出願の不備                                 |   |          |                 |             |  |
| VIII                 | 国際出願に対する意見                              |   |          |                 | ,           |  |
|                      |   |   |          |                 | $\sqrt{}$   |  |
|                      |   |   |          |                 |             |  |
| .,                   |   |   |          |                 |             |  |

#### 国際予備審査報告

国際出願番号 PCT/JP98/05236

| 1. 国        | 際予備審査報  | 告の基礎   |  |   |                                  |
|-------------|---|--|--|---|----------------------------------|
| 応           |   | 提出された差し替え  |  | れた。(法第6条(PCT<br>おいて「出願時」とし、本                  | 14条)の規定に基づく命令に<br>報告書には添付しない。    |
| $\boxtimes$ | 出願時の国際  | 出願書類   |  |   |                                  |
|             | 明細書<br>明細書<br>明細書                                 | 第<br>第<br>第  | ページ、<br>ページ、<br>ページ、                                       | 出願時に提出されたもの<br>国際予備審査の請求書と                    |                                  |
|             | 請求の範囲<br>請求の範囲<br>請求の範囲<br>請求の範囲                  | 第<br>第<br>第<br><br>第                                   | 項、<br>項、<br>項、<br>   | 出願時に提出されたもの<br>PCT19条の規定に基<br>国際予備審査の請求書と     | づき補正されたもの                        |
|             | 図面<br>図面<br>図面                                    | 第<br>第<br>第  | <br>ページ/図、   | 出願時に提出されたもの<br>国際予備審査の請求書と                    | )                                |
|             | 明細書の配列  | 表の部分 第<br> 表の部分 第<br> 表の部分 第                           | ページ、<br>ページ、<br>ページ、                                       | 出願時に提出されたもの<br>国際予備審査の請求書と                    |                                  |
|             |   | の言語は、下記に示<br>下記の言語である _                                |  | の国際出願の言語である。<br>る。                            |                                  |
|             | PCT規則   | 則48.3(b)にいう国際  |  | う翻訳文の言語<br>- は55.3にいう翻訳文の言語                   | 语                                |
|             | •   |  |  | おり、次の配列表に基づき                                  | 国際予備審査報告を行った。                    |
|             | この国際に<br>  出願後に、<br>  出願後に、<br>  出願後には<br>  書の提出が | この国際予備審査<br>この国際予備審査<br>是出した書面による<br>があった<br>る配列表に記載した | たフレキシブルディスク<br>(または調査) 機関に抵<br>(または調査) 機関に抵<br>配列表が出願時における | 是出された書面による配列<br>是出されたフレキシブルデ<br>の国際出願の開示の範囲を想 |                                  |
|             | 正により、下明細書   | 記の書類が削除され<br>第<br>第<br>図面の第                            | ページ<br>項   | ジ/図   |                                  |
|             | れるので、そ  | の補正がされなかっ  |  | , (PCT規則70.2(c) こ                             | 囲を越えてされたものと認めら<br>の補正を含む差し替え用紙は上 |
|             |   |  |  |   |                                  |

| 国际了佣者宜報告   |                   | 国際出願番号 PCT/JP98/05236             |                |  |  |
|--|-------------------|-----------------------------------|----------------|--|--|
| <ul><li>新規性、進歩性又は産業上の利用可能<br/>文献及び説明</li></ul>     | 性についての法第12条       | : (PCT35条(2)) に定める見解              | それを裏付ける        |  |  |
| . 見解   |                   |                                   |                |  |  |
| 新規性(N)   | 請求の範囲             | 1-3                               | 有              |  |  |
| ·  | 請求の範囲 _           |                                   | 無              |  |  |
| 進歩性(IS)  | 請求の範囲 _<br>請求の範囲  | 1-3                               | 有<br>無         |  |  |
| 産業上の利用可能性 (IA)                                     | _                 |                                   |                |  |  |
| 産業上の利用可能性(IA)                                      | 請求の範囲<br>請求の範囲 _  | 1-3                               |                |  |  |
|  |                   |                                   |                |  |  |
| 文献及び説明(PCT規則70.7)                                  |                   |                                   |                |  |  |
| きせの笹田 1 2 に記事と                                     | たよ ▼ 10 元 〒 100 平 |                                   |                |  |  |
| 請求の範囲 1-3 に記載さ<br>月に関連があると認められる文<br>且み合わせることにより当業者 | れた発明は国際調献に記載されてお  | 査報告に表示された文献<br> <br>  らず、かつ、それらの文 | 及び当該発<br>献の記載を |  |  |
| Hみ合わせることにより当業者                                     | にとって容易に発          | りできたものでもない。                       |                |  |  |
|  |                   |                                   |                |  |  |
|  |                   |                                   |                |  |  |
|  |                   |                                   |                |  |  |
|  |                   |                                   |                |  |  |
|  |                   |                                   |                |  |  |
|  |                   |                                   |                |  |  |
|  |                   |                                   |                |  |  |
|  |                   |                                   |                |  |  |
|  |                   |                                   |                |  |  |
|  |                   |                                   |                |  |  |
|  |                   |                                   |                |  |  |
|  |                   |                                   |                |  |  |
|  |                   |                                   |                |  |  |
| •  |                   |                                   |                |  |  |
|  |                   |                                   |                |  |  |
|  |                   |                                   |                |  |  |
|  |                   |                                   |                |  |  |



P.B.5818 – Patentiaan 2 2280 HV Rijswijk (ZH) 33 +31 70 340 2040 TX 31651 epo nl FAX +31 70 340 3016 Europäisches Patentamt

Zweigstelle in Den Haag Recherchenabreilung European Patent Office

Branch at The Hague Search division Office européen des brevets

Département à La Haye Division de la recharche

Strehl Schübel-Hopf & Partner Maximilianstrasse 54 80538 München ALLEMAGNE

Erhalten 09.APR.2001 Strehl et al.

Ostum/Date 06 . 04 . 01

Zeichen/Ref./Réf.

EPA-53392

Anmeldung Nr./Application No./Demande nº./Patent Nr./Patent No./Brevet nº.

98954771.6-2114-JP9805236

Anmelder/Applicant/Demandeur/PatentInhaber/Proprietor/Titulaire Ajinomoto Co., Inc.

# COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above—mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

# REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





3

4

5

6

3

# SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application Number EP 98 95 4771

|   | DOCUMENTS CONSID  | ERED TO BE RELEVANT   |   | ,  |
|---|---|---|---|--|
| Category  | Citation of document with it of relevant pass   | ndication, where appropriate,<br>ages -   | Relevant<br>to claim                                    | CLASSIFICATION OF THE APPLICATION (Int.C1.8)         |
| X   | EP 0 334 617 A (TAT<br>27 September 1989 (<br>* claims 1,7,8,12;  | 1989-09-27)   | 1-3   | A23L1/236<br>C07K5/06<br>C07D291/06<br>C07K1/12      |
| O,A ✓   | US 4 158 068 A (VON<br>ET AL) 12 June 1979<br>* column 2, line 3<br>example 1 *   | (1979-06-12)  | 1-3   | -  |
|   | WO 96 20608 A (WRIG<br>;MUHAMMAD JACARA (U<br>(US); MCG) 11 July<br>* page 9; claims 1,<br>table 1 *  | S); YATKA ROBERT J<br>1996 (1996-07-11)   | 1-3   |  |
| A /   | sweeteners and swee CHEMICAL SENSES 199   | ion of high-intensity tener mixtures." 2 CORRESPONDENCE H. T. LAWLESS, DEP. OF UNIV., ITHACA, NY ges 245-259, | 1-3   | TECHNICAL FIELDS SEARCHED (Int.Cl.6)  A23L C07K C07D |
|   | EP 0 514 937 A (AJI<br>25 November 1992 (1  | NOMOTO KK)<br>992-11-25)<br>line 58; claims 1-5;  | 1–3   |  |
| •   | LANTON B ISBN 0-905<br>developments in swe<br>FOOD INDUSTRIES OF<br>vol. 41, no. 2, pa<br>* page 23, column 2   | etener synergies."  | 1-3   |  |
|   | The supplementary search reported to claims valid and available   | rt has been based on the last<br>at the start of the search.  |   |  |
|   | Place of search .   | Date of completion of the search  |   | Exactioned   |
|   | THE HAGUE   | 15 March 2001   | Hee   | zius, A  |
| X: part<br>Y: part<br>doct<br>A: tech<br>O: non | ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone cularly relevant if combined with and iment of the same category nological background—written disclosure mediate document | E : eartier paient dec<br>alter the filling dar<br>her D : document cited fo<br>L : document cited fo         | ument, but puble<br>the application<br>of other reasons | ished on, or   |



# SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application Number EP 98 95 4771 -

| ategory            | Citation of document with indicated of relevant passages   | ion, where appropriate,  | Relevant<br>to claim   | CLASSIFICATION OF THE APPLICATION (Int.CLB) |
|--------------------|--|--|--|---|
| A /                | US 5 164 214 A (WILD)<br>17 November 1992 (1992<br>* claims 1,3,14; examp  | -11-17)  | 1-3  |   |
| A                  | EP 0 137 326 A (SEARLE<br>17 April 1985 (1985-04<br>* page 6, line 1 - lin   | -17)   | 1-3  | <del>-</del>                                |
|                    |  |  |  |   |
|                    | ٠.   |  |  |   |
|                    |  |  |  | TECHNICAL FIELDS<br>SEARCHED (Inf.Cl.8)     |
| . •                |  |  |  | ·   |
| - <b>:</b>         |  |  | į  |   |
|                    |  |  |  |   |
|                    | The supplementary search report ha   | s been based on the last   |  |   |
|                    | set of claims valid and available at the   | Date of completion of the search   | <del></del>  | Examinar                                    |
|                    | THE HAGUE  | 15 March 2001  | Hee  | ezius, A                                    |
| X;pa<br>Y:pa<br>do | CATEGORY OF CITED DOCUMENTS inticularly relevant if taken alone inticularly relevant if combined with another purport of the same category | T: theory or princi<br>E: earlier patient o<br>after the filling<br>D: document cite<br>L: document cite | ple underlying the locument, but publiste in the application for other reasons | invention<br>lahed on, or                   |
| A : tac            | hnological background<br>n-written disclosure  |  | same patent fami   | br. annomonation                            |

# ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 98 95 4771

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

15-03-2001

| Patent documer<br>cited in search re |   | Publication date        |                                       | Patent family<br>member(s) | Publication date       |
|--------------------------------------|---|-------------------------|---------------------------------------|----------------------------|------------------------|
| EP 0334617                           | A | 27-09-1989              | AT                                    | 111962 T                   | 15-10-19               |
|                                      |   |                         | AU                                    | 3163889 A                  | 28-09-19               |
|                                      |   |                         | CA                                    | 1328194 A                  | 05-04-19               |
|                                      |   |                         | DE                                    | 68918314 D                 | 27-10-19               |
|                                      |   |                         | DE                                    | 68918314 T                 | 02-03-19               |
|                                      |   |                         | DE                                    | 334617 T                   | 12-04-19               |
|                                      |   |                         | DK                                    | 149889 A                   | 26-09-19               |
|                                      |   |                         | ES                                    | 2012429 T                  | 01-02-19               |
|                                      |   |                         | FI                                    | 891389 A,B,                | 26-09-19               |
|                                      |   |                         | GB                                    | 2216387 A,B                | 11-10-19               |
|                                      |   |                         | GR                                    | 90300007 T                 | 07-06-19               |
|                                      |   |                         | ĬĔ                                    | 62427 B                    | 08-02-19               |
|                                      |   |                         | ĪĹ                                    | 89735 A                    | 06-09-19               |
|                                      |   |                         | ĴP                                    | 2023900 A                  | 26-01-19               |
|                                      |   | ·.                      | JP                                    | 2842610 B                  | 06-01-19               |
|                                      |   | •                       | MX                                    | 172792 B                   | 13-01-19               |
|                                      |   |                         | NO                                    | 172792 B<br>173914 C       |                        |
|                                      |   |                         | NZ                                    | 228519 A                   | 23-02-199              |
|                                      |   |                         | PT                                    | 90119 A,B                  | 23-12-19:<br>10-11-19: |
|                                      |   |                         | TR                                    | 24906 A                    | 20-07-19               |
|                                      |   |                         | ÚŠ                                    | ✓5061320 A                 | 29-10-19               |
|                                      |   |                         |                                       | ~ J001320 A                | 29-10-19.              |
| US 4158068                           | A | 12-06-1 <del>9</del> 79 | DE                                    | 2628294 A                  | 29-12-19               |
|                                      |   |                         | BE                                    | 856100 A                   | 27-12-19               |
| •                                    |   |                         | CA                                    | 1084335 A                  | 26-08-198              |
| • ,                                  |   | •                       | CH                                    | 627628 A                   | 29-01-19               |
|                                      |   |                         | FR                                    | 2355461 A                  | 20-01-19               |
|                                      |   |                         | GB                                    | 1568875 A                  | 11-06-198              |
|                                      |   |                         | JP                                    | 1274586 C                  | 31-07-198              |
|                                      |   |                         | JP                                    | 53003571 A                 | 13-01-19               |
|                                      |   |                         | JР                                    | 59051262 B                 | 13-12-19               |
|                                      |   |                         | йĹ                                    | 7706711 A,B                | 28-12-19               |
|                                      |   |                         | ZA                                    | 7703767 A                  | 30-05-19               |
| WO 9620608                           | A | 11-07-1996              | NONE                                  |                            |                        |
| EP 0514937                           | Α | 25-11-1992              | JP                                    | 3019519 B                  | 13-03-200              |
|                                      |   | <del> </del>            | ĴР                                    | 4346769 A                  | 02-12-199              |
|                                      |   |                         | CA                                    | 2069255 A                  | 25-11-199              |
|                                      |   |                         | EP                                    | 1067137 A                  | 10-01-20               |
|                                      |   |                         | √ūs                                   | 5473097 A                  | 05-12-199              |
|                                      |   |                         |                                       |                            |                        |
| US 5164214                           | A | 17-11-1992              | DE                                    | 3741961 C                  | 27-04-198              |
|                                      |   |                         | DE                                    | 3839869 A                  | 31-05-199              |
|                                      |   |                         | AT                                    | 73621 T                    | 15-04-199              |
|                                      |   |                         | AU                                    | 2669188 A                  | 15-06-198              |
|                                      |   |                         | · · · · · · · · · · · · · · · · · · · |                            |                        |
| e details about this a               |   |                         |                                       |                            |                        |

## ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 98 95 4771

This annex lists the patent family members relating to the patent documents cited in the above—mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

15-03-2001

| Patent document<br>cited in search report |   | Publication<br>date | Patent family member(s) |                   | Publication<br>date |
|---|---|---------------------|-------------------------|-------------------|---------------------|
| US 5164214                                | A |                     | CA                      | 1325134 A         | 14-12-19            |
|   |   |                     | DE                      | 3869356 A         | 23-04-199           |
|   |   |                     | DE                      | 3869356 D         | 23-04-199           |
|   |   |                     | DΚ                      | 689288 A          | 11-06-19            |
|   |   |                     | EP                      | 0319984 A         | 14-06-19            |
| •   |   |                     | ES                      | 2033405 T         | 16-03-199           |
|   |   |                     | FI                      | 885721 A,B,       | 11-06-198           |
|   |   |                     | GR                      | 3004497 T         | 31-03-199           |
|   |   |                     | IE                      | 60953 B           | 07-09-19            |
|   |   |                     | JP                      | √1211468 A        | 24-08-198           |
|   |   |                     | JP                      | 2021801 C         | 26-02-199           |
|   |   |                     | JP                      | 7028691 B         | 05-04-19            |
|   |   |                     | NO                      | 885467 A,B,       | 12-06-198           |
|   |   |                     | PŤ                      | <b>89204 A,</b> B | 29-12-198           |
|   |   | <i>'.</i>           | ZA                      | 8809000 A         | 30-08-19            |
| EP 0137326                                | A | 17-04-1985          | CA                      | 1249166 A         | 24-01-198           |
|   |   |                     | DE                      | 3480685 D         | 18-01-199           |
|   |   |                     | JP                      | 60087764 A        | 17-05-198           |
|   |   |                     | <b>∨US</b>              | 4704288 A         | 03-11-198           |

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

# PATENT COOPERATION TR. JTY

# **PCT**

# NOTIFICATION CONCERNING SUBMISSION OR TRANSMITTAL OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

Date of mailing (day/month/year)

From the INTERNATIONAL BUREAU

Τo

SHIMOKOSHI, Masao Taka-ai Building 9th floor 15-2, Nihombashi 3-chome Chuo-ku Tokyo 103-0027 JAPON



| 07 December 1998 (07.12.98)                      |  |  |  |
|--|--|--|--|
| Applicant's or agent's file reference DF4316/PCT | IMPORTANT NOTIFICATION                     |  |  |
| International application No.                    | International filing date (day/month/year) |  |  |
| PCT/JP98/05236                                   | 20 November 1998 (20.11.98)                |  |  |
| International publication date (day/month/year)  | Priority date (day/month/year)             |  |  |
| Not yet published                                | 22 December 1997 (22.12.97)                |  |  |

- 1. The applicant is hereby notified of the date of receipt (except where the letters "NR" appear in the right-hand obtimn) by the International Bureau of the priority document(s) relating to the earlier application(s) indicated below. Unless otherwise indicated by an asterisk appearing next to a date of receipt, or by the letters "NR", in the right-hand column, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
- 2. This updates and replaces any previously issued notification concerning submission or transmittal of priority documents.
- 3. An asterisk(\*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted or transmitted to the International Bureau but not in compliance with Rule 17.1(a) or (b). In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.
- 4. The letters "NR" appearing in the right-hand column denote a priority document which was not received by the International Bureau or which the applicant did not request the receiving Office to prepare and transmit to the International Bureau, as provided by Rule 17.1(a) or (b), respectively. In such a case, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

Priority date Priority application No. Country or regional Office or PCT receiving Office of priority document

22 Dece 1997 (22.12.97)

9/352728

Country or regional Office of priority document

JP 04 Dece 1998 (04.12.98)

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

M. Sakai

Telephone No. (41-22) 338.83.38

akai 3.38

Facsimile No. (41-22) 740.14.35

# PATENT COOPERATION TRUSTY



# **PCT**

# NOTICE INFORMING THE APPLICANT OF THE COMMUNICATION OF THE INTERNATIONAL APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

#### From the INTERNATIONAL BUREAU

To:

SHIMOKOSHI, Masao Taka-ai Building 9th floor 15-2, Nihombashi 3-chome Chuo-ku Tokyo 103-0027 JAPON



**Date of mailing** (day/month/year) 01 July 1999 (01.07.99)

Applicant's or agent's file reference

DF4316/PCT

**IMPORTANT NOTICE** 

International application No. PCT/JP98/05236

International filing date (day/month/year)
20 November 1998 (20.11.98)

Priority date (day/month/year)

22 December 1997 (22.12.97)

**Applicant** 

AJINOMOTO CO., INC. et al

 Notice is hereby given that the International Bureau has communicated, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this Notice: CN.EP.KR.US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present Notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

2. The following designated Offices have waived the requirement for such a communication at this time: BR,CA,CŽ,HU,MX,RU,SK

The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).

3. Enclosed with this Notice is a copy of the international application as published by the International Bureau on 01 July 1999 (01.07.99) under No. WO 99/31999

#### REMINDER REGARDING CHAPTER II (Article 31(2)(a) and Rule 54.2)

If the applicant wishes to postpone entry into the national phase until 30 months (or later in some Offices) from the priority date, a demand for international preliminary examination must be filed with the competent International Preliminary Examining Authority before the expiration of 19 months from the priority date.

It is the applicant's sole responsibility to monitor the 19-month time limit.

Note that only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination.

# REMINDER REGARDING ENTRY INTO THE NATIONAL PHASE (Article 22 or 39(1))

If the applicant wishes to proceed with the international application in the national phase, he must, within 20 months or 30 months, or later in some Offices, perform the acts referred to therein before each designated or elected Office.

For further important information on the time limits and acts to be performed for entering the national phase, see the Annex to Form PCT/IB/301 (Notification of Receipt of Record Copy) and Volume II of the PCT Applicant's Guide.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

J. Zahra

Facsimile No. (41-22) 740.14.35

Telephone No. (41-22) 338.83.38

# INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP98/05236

| A. CLAS   | CONTRACTOR OF CURIE CONTRACTOR   |   |                           |  |
|---|--|---|---------------------------|--|
| Int   | SSIFICATION OF SUBJECT MATTER .Cl <sup>6</sup> A23L1/236   |   |                           |  |
| According   | to International Patent Classification (IPC) or to both  | national classification and IPC   |                           |  |
|   | OS SEARCHED  |   |                           |  |
| Minimum<br>Int  | documentation searched (classification system follows . C1 <sup>6</sup> A23L1/22-1/237, A23L1/24 | ed by classification symbols)   |                           |  |
| Documenta   | ation searched other than minimum documentation to   | the extent that such documents are includ-  | ed in the fields searched |  |
| Electronic JICS   | data base consulted during the international search (n ST File (JOIS), WPI (DIALOG)              | amc of data base and, where practicable, s  | search terms used)        |  |
| C. DOCU   | MENTS CONSIDERED TO BE RELEVANT  |   |                           |  |
| Category*   | Citation of document, with indication, where a   |   | Relevant to claim No.     |  |
| A   | JP, 1-211468, A (Rainaa Bir<br>24 August, 1989 (24. 08. 89<br>& FI, 94210, B & ZA, 88090         | )   | 1-3                       |  |
| A   | JP, 4-346769, A (Ajinomoto<br>2 December, 1992 (02. 12. 92<br>& EP, 514937, Al & US, 547         | 2)  | 1-3                       |  |
|   |  |   |                           |  |
|   | r documents are listed in the continuation of Box C.   | See patent family annex.  |                           |  |
| Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance earlier document but published on or after the international filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but later than the priority date claimed |  | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family |                           |  |
| 16 Fe   | ctual completion of the international search ebruary, 1999 (16. 02. 99)                          | Date of mailing of the international sear 23 February, 1999   | ch report<br>(23.02.99)   |  |
| Name and ma<br>Japar  | ailing address of the ISAV<br>nese Patent Office   | Authorized officer  |                           |  |
| Facsimile No  |  | Telcphone No.   |                           |  |



(法8条、法施行規則第40、41条) [PCT18条、PCT規則43、44]

| 出願人又は代理人<br>の書類記号 DF4316/PCT                      | 今後の手続きについては、国際調査報告の送付通知様式(PCT/ISA/220)<br>及び下記5を参照すること。 |                                  |                      |                                       |  |
|---|---|----------------------------------|----------------------|---------------------------------------|--|
| 国際出願番号<br>PCT/JP98/05236                          | 国際出願日(日.月.年)  | 20. 11. 98                       | 優先日(日.月.年)           | 22.12.97                              |  |
| 出願人(氏名又は名称)<br>味の素株式会社                            | £   |                                  |                      |                                       |  |
| 国際調査機関が作成したこの国際調査この写しは国際事務局にも送付される                | 至報告を法施行規<br>5。  | 見則第41条(P C 7                     | `18条) の規定に           | 従い出願人に送付する。                           |  |
| この国際調査報告は、全部で 2                                   | ページである  | ) <sub>0</sub>                   |                      |                                       |  |
| この調査報告に引用された先行も                                   | 技術文献の写しも  | 添付されている。                         |                      |                                       |  |
| 1. 国際調査報告の基礎<br>a. 言語は、下記に示す場合を除く<br>この国際調査機関に提出さ | ほか、この国際<br>れた国際出願の                                      | *出願がされたもの<br>翻訳文に基づき国[           | に基づき国際調査<br>祭調査を行った。 | を行った。                                 |  |
| b. この国際出願は、ヌクレオチト<br>この国際出願に含まれる書                 | てはアミノ酸配   |                                  |                      | き国際調査を行った。                            |  |
| □ この国際出願と共に提出されたフレキシブルディスクによる配列表                  |   |                                  |                      |                                       |  |
| 出願後に、この国際調査機                                      |   |                                  |                      |                                       |  |
| □ 出願後に、この国際調査機ト                                   |   |                                  |                      | Bえる事項を含まない旨の陳述                        |  |
| ■ 書面による配列表に記載し7<br>書の提出があった。                      | た配列とフレキミ  | ンブルディスクに。                        | <b>さ配列表に記録し</b>      | た配列が同一である旨の陳述                         |  |
| 2. 請求の範囲の一部の調査が                                   | できない(第Ⅰ   | 欄参照)。                            |                      |                                       |  |
| 3. 発明の単一性が欠如してい                                   | る(第Ⅱ欄参照   | ) 。                              |                      |                                       |  |
| 4. 発明の名称は 🗵 出願                                    | 人が提出したも   | のを承認する。                          |                      |                                       |  |
| □次に   | 示すように国際   | 調査機関が作成し                         | た。                   |                                       |  |
|   |   |                                  |                      |                                       |  |
| 5. 要約は 区 出願                                       | 人が提出したも   | のを承認する。                          |                      |                                       |  |
| 国際  | 調査機関が作成   | るように、法施行<br>した。出願人は、<br>見を提出すること | この国際調査報告の            | √ 規則38.2(b))の規定により  の発送の日から1カ月以内にこ  「 |  |
| 6. 要約書とともに公表される図は、<br>第図とする。☐ 出願                  | 人が示したとお   | りである。                            | $\boxtimes$          | なし                                    |  |
| □ 出願  | 人は図を示さな   | かった。                             | _                    |                                       |  |
| □ 本図  | は発明の特徴を-  | 一層よく表してい                         | <b>ప</b> .           |                                       |  |

| A. 発明の<br>Int.Cl <sup>o</sup> A 2    | 属する分野の分類(国際特許分類 (IPC))<br>3L 1/236  |   |                        |
|--------------------------------------|---|---|------------------------|
|                                      |   |   |                        |
|                                      | 行った分野   | ·   |                        |
| 調査を行った<br>  Int. Cl <sup>6</sup> A 2 | 最小限資料(国際特許分類(IPC))<br>3L 1/22-1/237, A23L 1/  | 2 4   |                        |
| 最小限資料以                               | 外の資料で調査を行った分野に含まれるもの  |   | -                      |
|                                      |   |   |                        |
|                                      |   |   |                        |
| 国際調査で使ん                              | 用した電子データベース(データベースの名称<br>ファイル(JOIS),WPI(DIALOG)   | 、調査に使用した用語)   |                        |
| O BRY                                |   | ·   |                        |
| C.     関連する       引用文献の              | ると認められる文献<br>   |   | BB)+ )                 |
| カテゴリー*                               | 引用文献名 及び一部の箇所が関連する  | ときは、その関連する箇所の表示   | 関連する<br>請求の範囲の番号       |
| A                                    | JP, 1-211468, A (ライナー・ヴイル)<br>& FI, 94210, B & ZA, 8809000, A   | ト)24.8月.1989(24.08.89)<br>·   | 1 - 3                  |
| A                                    | JP,4-346769,A(味の素株式会社)2<br>& EP,514937,A1 & US,5473097,A  | . 12月. 1992 (02. 12. 92)  | 1 – 3                  |
| 1                                    |   |   |                        |
|                                      |   |   |                        |
|                                      | - 3   |   |                        |
| □ C欄の続き                              | -<br>きにも文献が列挙されている。   | □ パテントファミリーに関する別  | 紙を参照。                  |
| もの<br>「E」国際出願<br>以後にグ                | Oカテゴリー<br>車のある文献ではなく、一般的技術水準を示す<br>種日前の出願または特許であるが、国際出願日<br>公表されたもの<br>E張に疑義を提起する文献又は他の文献の発行          | の日の後に公表された文献<br>「T」国際出願日又は優先日後に公表さて出願と矛盾するものではなく、<br>論の理解のために引用するもの<br>「X」特に関連のある文献であって、当 | 発明の原理又は理<br>能文献のみで発明   |
| 日若しく<br>文献(理<br>「O」口頭によ              | 正成に疑惑を促起する又献又は他の又献の発行<br>は他の特別な理由を確立するために引用する<br>理由を付す)<br>る開示、使用、展示等に言及する文献<br>質日前で、かつ優先権の主張の基礎となる出願 | の新規性又は進歩性がないと考え「Y」特に関連のある文献であって、当上の文献との、当業者にとって自よって進歩性がないと考えられる「&」同一パテントファミリー文献           | 4該文献と他の1以<br>1明である組合せに |
| 国際調査を完了                              | した日 16.02.99  | 国際調査報告の発送日 23.02.   | .99                    |
| 日本国                                  | )名称及びあて先<br>]特許庁 (ISA/JP)   | 特許庁審査官(権限のある職員)<br>小暮 道明  | 4 B 9 3 5 8            |
|                                      | 『便番号100-8915<br>『千代田区霞が関三丁目4番3号   | 雷話悉号 03-3581-1101   | 中华 0 4 4 0             |